


Sheet 1 of 4

<b>Form PTO-1449 Modified</b>  List of Patent and Publications Cited by Applicant (Use several sheets if necessary)  U.S. Department of Commerce Patent and Trademark Office	Docket No. UPN-4366/P-3041	Application No. 10/734,799
	Applicant Charles L. Epstein, et al.	
	Filing Date December 12, 2003	Group Not Yet Assigned
	Confirmation No. Not Yet Assigned	

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)		
	1	<del>Ablowitz, M., et al., "The inverse scattering transform-fourier analysis for nonlinear problems," <i>Studies in Applied Math.</i>, 1974, No. 4, 249-315</del>
	2	Beals, R., et al., "Scattering and inverse scattering for first order systems," <i>CPAM</i> , 1984, 37, 39-90
	3	Beals, R., et al. "Scattering and inverse scattering for first order systems: II.," <i>Inverse Problems</i> , 1987, 3, 577-593
	4	<del>Beals, R., et al., "Direct and inverse scattering on the line," <i>Am. Math. Soc., Providence</i>, 1988</del>
	5	Carlson, J., "Exact solutions for selective-excitation pulses. II. Excitation pulses with phase control" <i>J. of Mag. Res.</i> , 1992, 97, 65-78
	6	Carlson, J., "Exact solutions for selective-excitation pulses," <i>J. of Mag. Res.</i> , 1991, 94, 376-386
	7	<del>Faddeev, L., et al., "Hamiltonian Methods in the Theory of Solitons," <i>Springer Verlag, Berlin, Heidelberg, NY</i>, 1987</del>
	8	Grünbaum, F., et al., "An exploration of the invertibility of the bloch transform," <i>Inverse Problems</i> , 1986, 2, 75-81
	9	Le Roux, "Exact synthesis of radio frequency waveforms," <i>Proceedings of 7<sup>th</sup> Annual Meeting of SMRM</i> , 1988, page 1049
	10	Moses, H.E., et al., "Eigenvalues and eigenfunctions associated with the gel'fand-levitan equation," <i>J. Math. Phys.</i> , 1984, 25(1), 108-112
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\* A copy of these references will not be forwarded to the U.S. Patent and Trademark Office since they are believed to be too voluminous and easily obtainable by the Examiner.

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<b>OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)</b>			
11	Pauly, J., et al., "Parameter relations for the Shinnar-Le Roux Selective excitation pulse design algorithm," <i>IEEE Trans. On Med. Imaging</i> , 1991, 10(1), 53-65		
12	Rourke, D.E., et al., "The inverse scattering transform and its use in the exact inversion of the bloch equation for noninteracting spins," <i>J. of Mag. Res.</i> , 1992, 99, 1-20		
13	Rourke, D.E., A simple relationship between total RF pulse energy and magnetization response – the nonlinear generalization of parseval's relation," <i>J. of Mag. Reson.</i> , 1995, Series A(115), 189-196		
14	<del>Rudin, W., "Real and complex analysis," McGraw Hill, NY, 1966</del>		
15	Shinnar, et al., "The application of spinors to pulse synthesis and analysis," <i>Mag. Res. In Med.</i> , 1989, 12, 93-98		
16	Shinnar, et al., "The synthesis of pulse sequences yielding arbitrary magnetization vectors," <i>Mag. Res. In Med.</i> , 1989, 12, 74-80		
17	Shinnar, M., et al., "The synthesis of soft pulses with a specified frequency response," <i>Mag. Res. In Med.</i> , 1989, 12, 88-92		
18	Shinnar, et al., in "Inversion of the bloch equation," <i>J. chem... Phys.</i> , 1993, 98(8), 6121-6128		
19	<del>Stein, E.M., et al., "Introduction to fourier analysis on Euclidean spaces, Princeton Press, Princeton, NJ, 1971</del>		
20	<del>Widom, H., "Lectures on integral equations," Van Nostrand, Reinhold Co., NY-Toronto, Ont-London, 1969</del>		
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<b>OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)</b>			
21	Zakharov, V., et al., "Korteweg-de Vries equation, a completely integrable Hamiltonian system," <i>Funk. Anal. Priloz</i> , 1971, 5(4), 18-27 (translated)		
22	Zakharov, V., et al., "On the complete integrability of the non-linear Schrödinger equation," <i>Teor. Mat. Fiz.</i> , 1974, 19(3), 332-343 (translated)		
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Examiner Initial		Document No.	Date	Name	Class	Subclass
<i>DN</i>	23	5,153,515	10/06/92	Leigh, et al.	324	307
<i>DN</i>	24	5,572,126	11/05/96	Shinnar	324	314
<i>DN</i>	25	5,821,752	10/13/98	LeRoux	324	314

## FOREIGN PATENT DOCUMENTS

Examiner Initial		Document No.	Date	Country	Translation	
					YES	NO

EXAMINER <i>Deanna</i>	DATE CONSIDERED <i>8/31/05</i>
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December 12, 2003Group  
2862Confirmation No.  
3887**U. S. PATENT DOCUMENTS**

Examiner Initial		Document No.	Date	Name	Class	Subclass
* <i>OV</i>	26	5,449,376	09/12/95	Callahan	607	2

**FOREIGN PATENT DOCUMENTS**

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					YES	NO

EXAMINER *[Signature]*DATE CONSIDERED *8/31/05*

\* Cited on the PCT International Search Report and Written Opinion dated January 31, 2005 (PCT/US03/39714).